



## SEQUENCE LISTING

Scott M. Glaser  
Amylin Pharmaceuticals, Inc.

RECEIVED

MAY 10 2001

TECH CENTER 1600/2900

&lt;120&gt; HIGH AFFINITY EXENDIN RECEPTORS

&lt;130&gt; 030639.0036.UTL (246/091)

<140> 09/718,280  
<141> 2000-11-21<150> 60/166,899  
<151> 1999-11-22

&lt;160&gt; 17

&lt;170&gt; FastSEQ for Windows Version 4.0

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35

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<210> 4  
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 <212> DNA  
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<220>  
 <221> CDS  
 <222> (1)...(75)  
 <223> GLP-1 Receptor

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gtg tac cgg ttc tgc aca gct gaa ggc 75  
 Val Tyr Arg Phe Cys Thr Ala Glu Gly  
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Val Tyr Arg Phe Cys Thr Ala Glu Gly  
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<220>  
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 Ser Cys Pro Trp Tyr Leu Pro Trp Ala Ser Ser Val Pro Gln Gly His  
 1 5 10 15

gtg tac cgg ttc tgc aca gct gaa ggc 75  
 Val Tyr Arg Phe Cys Thr Ala Glu Gly  
 20 25

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1 5 10 15  
Val Tyr Arg Phe Cys Thr Ala Glu Gly  
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Ser Cys Pro Trp Tyr Leu Pro Arg Ala Ser Ser Val Pro Gln Gly His  
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gct tac cgg ttc tgc aca gct gaa ggc 75  
Ala Tyr Arg Phe Cys Thr Ala Glu Gly  
20 25

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<212> PRT  
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1 5 10 15  
Ala Tyr Arg Phe Cys Thr Ala Glu Gly  
20 25

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Leu Trp Leu Gln Lys Asp Asn Ser Ser Leu Pro Trp Arg Asp Leu Ser  
1 5 10 15

gag tgc gag gag tcc aag cga ggg gag 75  
Glu Cys Glu Glu Ser Lys Arg Gly Glu  
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<210> 11  
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1 5 10 15  
Ser Cys Glu Glu Ser Lys Arg Gly Glu  
20 25

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ctc tgg ctg cag aag gac aac tcc agc ctg ccc tgg agg gac ttg tcg 48  
Leu Trp Leu Gln Lys Asp Asn Ser Ser Leu Pro Trp Arg Asp Leu Ser  
1 5 10 15

gag tgc gag gag tcc aag cga ggg gag 75  
Glu Cys Glu Glu Ser Lys Arg Gly Glu  
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<210> 13  
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<213> Homo Sapien

<400> 13

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Glu	Cys	Glu	Glu	Ser	Lys	Arg	Gly	Glu							
		20				25									

<210> 14

<211> 706

<212> DNA

<213> Homo Sapien

<400> 14

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gaataccgac	gccagtgcga	gcgcgtcttg	actgaggatc	cacctcccg	cacagacttg	180
ttctgcacc	ggaccttcga	tgaatacgcc	tgctggccag	atggggagcc	aggctcgttc	240
gtgaatgtca	gctgcccctg	gtacctgccc	cggtccagca	gtgtggccga	gggcacgcg	300
tacccgttct	gcacagctga	aggcctctgg	ctgcagaagg	acaactccag	cctgcccctgg	360
aggaacttgc	tggagtgcga	ggagtccaa	cgagggggaga	gaagctcccc	ggaggaggcag	420
ctccgttcc	tctacatcat	ctacacggtg	ggctacgcac	tctccttctc	tgctctgg	480
atcgccctcg	cgatcctcct	cggcttcaga	cacctgcact	gcaccaggaa	ctacatccac	540
ctgaacctgt	ttgcacatcct	catcctgcga	gcattgtccg	tcttcatcaa	ggacgcagcc	600
ctgaagtgg	tgtatagcac	agccgcccag	cagcaccagt	gggatggct	cctctccat	660
caggactctc	tgagctgcgg	cctgggtttt	ctgctcatgc	agtact		706

<210> 15

<211> 706

<212> DNA

<213> Homo Sapien

<400> 15

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gaataccgac	gccagtgcga	gcgcgtccctg	actgaggatc	cacctccctg	cacagacttg	180
ttctgcacc	ggaccttcga	tgaatacgcc	tgctggccag	atggggagcc	aggctcgttc	240
gtgaatgtca	gctgcccctg	gtacctgccc	tggggccagca	gtgtggccga	gggcacgtg	300
tacccgttct	gcacagctga	aggcctctgg	ctgcagaagg	acaactccag	cctgcccctgg	360
agggacttgt	cggactgcga	ggagtccaa	cgagggggaga	gaagctcccc	ggaggaccag	420
ctccgttcc	tctacatcat	ctacacggtg	ggctacgcac	tctccttctc	tgctctgg	480
atcgccctcg	cgatcctcct	cggcttcaga	cacctggact	gcaccaggaa	ctacatccac	540
ctgaacctgt	ttgcacatcct	catcctgcga	gcattgtccg	tcttcatcaa	ggacgcagcc	600
ctgaaatgg	tgtatagcac	agccgcccag	cagcaccagt	gggatggct	cctctccat	660
caggactctc	tgagctgcgg	cctgggtttt	ctgctcatgc	agtact		706

<210> 16

<211> 234

<212> PRT

<213> Homo Sapien

<400> 16

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Met	Val	Gly	Arg	Ala	Gly	Pro	Arg	Pro	Gln	Gly	Ala	Thr	Val	Ser	Leu
				20			25		30						

Trp Glu Thr Val Gln Lys Trp Arg Glu Tyr Arg Arg Gln Cys Gln Arg  
 35 40 45  
 Ser Leu Thr Glu Asp Pro Pro Pro Ala Thr Asp Leu Phe Cys Asn Arg  
 50 55 60  
 Thr Phe Asp Glu Tyr Ala Cys Trp Pro Asp Gly Glu Pro Gly Ser Phe  
 65 70 75 80  
 Val Asn Val Ser Cys Pro Trp Tyr Leu Pro Arg Ala Ser Ser Val Pro  
 85 90 95  
 Gln Gly His Ala Tyr Arg Phe Cys Thr Ala Glu Gly Leu Trp Leu Gln  
 100 105 110  
 Lys Asp Asn Ser Ser Leu Pro Trp Arg Asn Leu Ser Glu Cys Glu Glu  
 115 120 125  
 Ser Lys Arg Gly Glu Arg Ser Ser Pro Glu Glu Gln Leu Leu Phe Leu  
 130 135 140  
 Tyr Ile Ile Tyr Thr Val Gly Tyr Ala Leu Ser Phe Ser Ala Leu Val  
 145 150 155 160  
 Ile Ala Ser Ala Ile Leu Leu Gly Phe Arg His Leu His Cys Thr Arg  
 165 170 175  
 Asn Tyr Ile His Leu Asn Leu Phe Ala Ser Phe Ile Leu Arg Ala Leu  
 180 185 190  
 Ser Val Phe Ile Lys Asp Ala Ala Leu Lys Trp Met Tyr Ser Thr Ala  
 195 200 205  
 Ala Gln Gln His Gln Trp Asp Gly Leu Leu Ser Tyr Gln Asp Ser Leu  
 210 215 220  
 Ser Cys Arg Leu Val Phe Leu Leu Met Gln  
 225 230

<210> 17  
 <211> 234  
 <212> PRT  
 <213> Homo Sapien

<400> 17  
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 Trp Glu Thr Val Gln Lys Trp Arg Glu Tyr Arg Arg Gln Cys Gln Arg  
 35 40 45  
 Ser Leu Thr Glu Asp Pro Pro Ala Thr Asp Leu Phe Cys Asn Arg  
 50 55 60  
 Thr Phe Asp Glu Tyr Ala Cys Trp Pro Asp Gly Glu Pro Gly Ser Phe  
 65 70 75 80  
 Val Asn Val Ser Cys Pro Trp Tyr Leu Pro Trp Ala Ser Ser Val Pro  
 85 90 95  
 Gln Gly His Val Tyr Arg Phe Cys Thr Ala Glu Gly Leu Trp Leu Gln  
 100 105 110  
 Lys Asp Asn Ser Ser Leu Pro Trp Arg Asp Leu Ser Glu Cys Glu Glu  
 115 120 125  
 Ser Lys Arg Gly Glu Arg Ser Ser Pro Glu Glu Gln Leu Leu Phe Leu  
 130 135 140  
 Tyr Ile Ile Tyr Thr Val Gly Tyr Ala Leu Ser Phe Ser Ala Leu Val  
 145 150 155 160  
 Ile Ala Ser Ala Ile Leu Leu Gly Phe Arg His Leu His Cys Thr Arg  
 165 170 175  
 Asn Tyr Ile His Leu Asn Leu Phe Ala Ser Phe Ile Leu Arg Ala Leu

180                    185                    190  
Ser Val Phe Ile Lys Asp Ala Ala Leu Lys Trp Met Tyr Ser Thr Ala  
195                    200                    205  
Ala Gln Gln His Gln Trp Asp Gly Leu Leu Ser Tyr Gln Asp Ser Leu  
210                    215                    220  
Ser Cys Arg Leu Val Phe Leu Leu Met Gln  
225                    230